

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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INVENTOR(S) : McGunn et al.

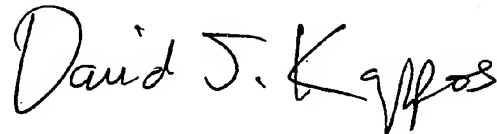
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please delete the title page and insert the title page attached

Signed and Sealed this

Twenty-second Day of December, 2009

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial 'D' and a stylized 'K'.

David J. Kappos
Director of the United States Patent and Trademark Office

(12) **United States Patent**
McGunn et al.

(10) **Patent No.:** **US 7,591,361 B2**
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(54) **HORIZONTAL COIN DISPENSER**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1136 days.

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(21) Appl. No.: **10/623,624**

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G07F 9/08 (2006.01)
G06F 7/00 (2006.01)
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Merriam-Webster's Collegiate Dictionary, 10th ed., 1998, pp. 352 and 1079.*

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(52) **U.S. Cl.** **194/216**; 194/217; 453/1;
453/2; 453/16; 453/58; 453/61; 221/196;
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(57) **ABSTRACT**

(58) **Field of Classification Search** 221/266,
221/263, 196, 6; 211/59.3, 59.2; 312/348.3,
312/61, 71; 194/216 224, 244, 246; 453/1,
453/2, 16, 17, 58–62

See application file for complete search history.

A coin dispensing system comprises a drawer including a bottom wall connected to opposite sidewalls, and a plurality of spaced dividers between the opposite sidewalls defining a plurality of columns for supporting vertical tubes of currency. A plurality of dispensers, one for each column, are provided each for withdrawing tubes of currency from an associated column. A plurality of sensors, one for each column, are provided each for sensing quantity of tubes in the associated column. A control system is operatively associated with the sensors for determining quantity of currency in the drawer.

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20 Claims, 7 Drawing Sheets

